

Name: \_\_\_\_\_

### Unit 6 – Genetics (cont'd)

1. Match the vocab terms to their definitions.

_____ Dominant allele	A. Organism with two different alleles for the same trait
_____ F1 generation	B. Genetic makeup
_____ F2 generation	C. Parental generation
_____ Genotype	D. Physical characteristics
_____ Gregor Mendel	E. Organism that has two identical alleles for a trait
_____ Heterozygous	F. Tool that can predict and compare genetic variation
_____ Homozygous	G. Allele that can be masked
_____ P generation	H. Priest who worked with garden peas
_____ Phenotype	I. First offspring generation
_____ Punnett Square	J. Allele that can mask other alleles
_____ Recessive allele	K. Second offspring generation

2. A monohybrid cross looks at \_\_\_\_\_ trait, while a dihybrid cross looks at \_\_\_\_\_ traits at the same time.
3. What is Mendel's idea of
- Dominance?
  - Segregation?
  - Independent Assortment?
4. When the dominant allele does not completely mask the recessive allele, it is called \_\_\_\_\_.  
a. What are two examples?
5. When both alleles show up together (one is not really dominant over the other), it is called \_\_\_\_\_.  
a. What are two examples?
6. Sex-linked traits are those found on the \_\_\_\_\_ chromosome, and show up more in (circle one) **males** / **females**
7. What is genetic engineering?
- Pros?
  - Cons?

